

From qrp-1@lehigh.edu Sun Jun 18 13:41:12 1995
Message-Id: <9506181335.AA01849@sun>
From: jokortge@sun.lisp.com (Jim Kortge, NU8N)
Subject: Re:
Date: Sun, 18 Jun 1995 09:41:12 EDT

Doug Faunt wrote...

>Could you tell me more about this antenna you use on your bike?

>73, doug

>

Sure can Doug. It is a modified ASA "hamstick" like antenna. By 'hamstick' I mean helically wound fiberglass base with a detachable whip on top. The original antenna was for 17 meters. I have added about 38 uH of inductance in the form of a piece of B&W inductor stock at the top to also make it resonant on 40 meters. In fact, there is a tap two turns up from the bottom of that piece of coil stock so I can cover the whole 40 meter band. Taps could also be added for 30 and 20 meters, but mine isn't since I don't operate those bands from the bike.

I chose the ASA mobile whip over an actual Hamstick because the whip attaches with a ferrule base which unscrews. Since the fiberglass base is hollow, I can invert the whip when I don't want to operate, and store the whip upside down in the base. Makes carrying the whole thing nicer. If I remember, Transel Technologies sells a mobile antenna using the same sort of design. A Hamstick would also work if storing the whip in the base isn't important.

The mobile antenna is attached to the bike using an extension plate off the rear rack aluminum carrier. The plate is 1/8 thick aluminum and about 2 1/2 X 8 inches. It extends past the rear edge of the rack by about 2 or so inches. It flexes a bit, but that's probably good and helps to mechanically decouple the antenna from the bike. When riding, I really can't feel it back there. It swings around quite a bit during normal pedalling though.

One of the things I have observed while experimenting with hf bicycle mobile antennas is that they usually have a feedpoint impedance of 50 ohms, so no matching is required. I suspect it's because the bike itself is providing too little of a counterpoise for the antenna, compared for instance with a car. Anyway, this is the fourth antenna design I have run on the bike and they all acted the same way! Makes matching really easy!! :-)

Hope all this isn't a waste of bandwidth.

72/73....Jim

Jim Kortge, NU8N
jokortge@lisp.com

| Bicycle Mobile Hams
| __o of America

Fenton, MI |_`\
... .. (*)/(*)

From qrp-1@lehigh.edu Sun Jun 18 16:32:56 1995
Message-Id: <Pine.SUN.3.91.950618102854.14313B-1000000@ume>
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: 30 meter prop study
Date: Sun, 18 Jun 1995 12:32:56 EDT

got up about an hour after sunrise (this is EARLY) up here this time of year.
Several LOUD JA's on low end of band.....opening lasted about 15 minutes
before they disappeared.....my 0.95 watts could not make it.

Interesting qso last pm with K0ERM. He hung on for the first 5 minutes
while I was 229 to 339 and over the next 1/2 hr my signal gradually built
up to 589. (He is in SD and was 599+ with 75 watts.) This was about an
hour before sundown.

Just before him I chatted with N5DW.....I called his very weak signal and
gave him a 449. Why did I bother calling him? He signed N5DW/QRP!
He was using a NN1G. I have yet to work another sierra owner!

Dr. Rick Zabrodski BSc, MD, CCFP(E)	*	VE6GK
Email: zabrodsk@med.ucalgary.ca	*	NorCal 519 ARCI 7650 GQRP 8329
Phone 403-271-5123 Fax 403-225-1276	*	"Power is no substitute for skill"

From qrp-1@lehigh.edu Mon Jun 19 00:21:29 1995
Message-Id: <04950619001740/0001795390PJ3EM@MCIMAIL.COM>
From: David Bixler <0001795390@mcimail.com>
Subject: RE: 30M Saturday Special
Date: Sun, 18 Jun 1995 20:21:29 EDT

Hi Chuck and the gang:

Where was everyone Saturday night? I didn't hear a single QRP-Lister all
night! 30 meters was pretty poor here during the day, but about supper time
it came to life and I managed a few contacts, including two 2X QRP QSO's.

Here is my 30 meter activity, running 3 watts output:

DATE	UTC	STATION	MY RST	LOCATION &	COMMENTS
6/17	2242	HB9AZX	549	Near Goldau, Switzerland	
	2306	W5QJM/5	559	Fred - vacation on Texas coast running 3 W to Zepp	
	2353	W5RPJ	559	Georgetown, Texas	
6/18	0012	G3HEL	529	Plymouth, England	Solid chat
	0037	OM2SA	559	Hrad, Czechoslovakia	
	0103	F3NLY	559	City not given, France	
	0119	AA2WJ	339	Buffalo, NY	QRP with 4 watts
	0225	EI2HY	559	Cork, Ireland	

Some of these were real solid rag chews, despite the signal reports received. One thing about 30 that I like is the relative freedom from big signal QRM.

Sorry that I didn't work any of you guys. Maybe next time Chuck calls a party, I can hook up with a few of you.

73

Dave W0CH "QRP, not QRM"
Dundee, Florida
dbixler@mcimail.com

From qrp-1@lehigh.edu Sun Jun 18 21:32:23 1995
Message-Id: <Pine.SUN.3.91.950618173012.8283C-1000000@grape.epix.net>
From: rarland@epix.net
Subject: 40 meter prop
Date: Sun, 18 Jun 1995 17:32:23 EDT

Last evening (about 0500 zulu on 6-18) I was listeing to KA3WTF work AA4WJ in Buffalo, NY using milliwatts. Fran (WTF) advised later that day that the 40 meter short path, groundwave and west coast skip was all coming together. A thing that he'd never seen before. Unfortunately, I went to bed prior to hearing this "altered state" of propagation on 40. Anybody else pick up on this?

73 rich

From qrp-1@lehigh.edu Mon Jun 19 05:01:00 1995
Message-Id: <Pine.3.89.9506182147.B27152-0100000@dt1.datatamers.com>
From: "David D. Meacham" <ddm@datatamers.com>
Subject: Re: 40 meter prop
Date: Mon, 19 Jun 1995 01:01:00 EDT

Rich,
Yes, I was hearing 4's, 0's, and 2's all in the same time period! Had a
sked so didn't work them, tho (about 0215Z). Unusual! 72, Dave, W6EMD

On Sun, 18 Jun 1995 rarland@epix.net wrote:

>
> Last evening (about 0500 zulu on 6-18) I was listeing to KA3WTF work
> AA4WJ in Buffalo, NY using milliwatts. Fran (WTF) advised later that day
> that the 40 meter short path, groundwave and west coast skip was all
> coming together. A thing that he'd never seen before. Unfortunately, I
> went to bed prior to hearing this "altered state" of propagation on 40.
> Anybody else pick up on this?
>
> 73 rich
>
>

From qrp-1@lehigh.edu Sun Jun 18 17:42:59 1995
Message-Id: <UPMAIL05.199506181739300089@msn.com>
From: Hank Kohl <k8dd@msn.com>
Subject: Contest Logging Software
Date: Sun, 18 Jun 1995 13:42:59 EDT

I've seen quite a bit on the topic of FD logging programs
on
here....Although it is getting close to FD, and the logger
that I use costs
a bit more than free, they cover all the
contests, including QRP-ARCI and
MI-QRP activities.

Here is a brief overview of the NA contest logging
software.
Templates included for 18 popular contests
Room for 16,000 QSO's
with XMS memory

(overkill for a QRP test, but its there)

Supports Hygain rotor control

Allows QSL label printing while logging

or you can print labels after the contest

Supports 4 different

voice keyers

Radio support for Yaesu, Icom & Kenwood

(think it does TenTec too)

Supports non-standard IRQ's for COM ports

Compatible with all PC's - 8088, 286, 386, 486, etc

Has "Create-A-Contest"

allowing support of most any contest format

Allows multi-computer

networking (for the big Multi Multi's in the

ARCI Spring and Fall contest!)

Sends CW from the keyboard to either a COM or LPT port

Plug your paddle into the parallel port and send CW

Sends the

exchange, allowing you to change the RST sent

Supports packet - DX

PacketCluster spot filtering

Automatically gives you the proper beam heading for DX

Has a wide CW speed range - 12 to 50 wpm

All that and it dupes for

you, prints out your entry sheet, dupe

sheets, multiplier sheets, log sheets

and a QSO rate by the hour

listing. Basically, 10 min after the contest you can have your

logs in the envelope, ready to mail.

NA Contest Logging

Software is distributed by

LTA

P.O. Box 77

New Bedford, PA

16140

215-565-9950 (24 hrs and he does return phone calls)

VISA &

MASTERCARD

The bottom line:

NA version 9.x is \$55.00 or \$35.00 upgrade
from version 8.

*Add \$3.00 Shipping USA, & \$6.00 VE & DX

NA is written by K8CC....Buck, N8CQA, and I
begged and pleaded
to get QRP contests supported by NA....Dave has done a
great job
getting the QRP support written into NA - AND he actually got
into SweepStakes last year QRP.

Like I said - it's not cheap, but it
covers all the major
contests, and will even work as a logging program
outside of the
contests.

```
<#include STD.DISCLAIMER.H>
    printf "I'm
not.....
    printf "I don't.....
    printf "You get the drift....
```

73 Hank K8DD MI-QRP QRP-ARCI
G-QRP NORCAL

af514@detroit.freenet.org

From qrp-1@lehigh.edu Sun Jun 18 14:29:31 1995
Message-Id: <Pine.SUN.3.91.950618081054.13975D-1000000@ume>
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: Re: Design for small tunable loop?
Date: Sun, 18 Jun 1995 10:29:31 EDT

Quote from chapter 3 of "Small High Efficiency Antennas" by W5QJR:

"A loop will provide high efficiency when made of 3/4 inch copper pipe and having a circumference of more than 1/8 wavelength and less than 1/3 wavelength."

Actually, bigger diameter tubing better for lower HF frequencies. If it is physically bigger than 1/3 of a wavelength the pattern and other characteristics change and there is no improvement in efficiency. Below 1/8 wavelength the efficiency really drops! (as does bandwidth)

I played with one of these a few years ago, before the commercial products were around and before there was any stuff in the ARRL handbook. Good connections essential! Making a capacitor was a real pain.....I lucked into a "brand new in the box" vacuum tube variable which was great.

Performance: yes it worked, yes it was quiet. My wire dipole and loop antennas were better performers. Fun project but simpler antennas that are cheaper can be homebrewed! The real advantage of this concept would be to make a "small" city lot antenna for 160m that was quiet. (Even typical dipoles etc on 160 are very low to the ground at this wavelength. Note: "Small" for 160m would be 66 to 150 feet in circumference and at least a 3" diameter conductor!!!!!!

Dr. Rick Zabrodski BSc, MD, CCFP(E)	*	VE6GK
Email: zabrodsk@med.ucalgary.ca	*	NorCal 519 ARCI 7650 GQRP 8329
Phone 403-271-5123 Fax 403-225-1276	*	"Power is no substitute for skill"

On Sat, 17 Jun 1995 JCoote@aol.com wrote:

> There is some stuff by W5QJR on loops in one of the ARRL antenna compendiums.
> His designs are small, thick-diameter, current loops similar to the MFJ
> loop. For 7-30 Mhz you may be talking about a loop diameter of 5-6 feet...
> if you look at the MFJ and AEA loops which are 10-30 Mhz and about 3 feet.
>
> 72, Jay
>
>

From qrp-1@lehigh.edu Mon Jun 19 03:03:56 1995
Message-Id: <950618230136_73520867@aol.com>
From: KT3A@aol.com
Subject: Fwd: Bridge Controlled VFO?
Date: Sun, 18 Jun 1995 23:03:56 EDT

Folks,

I am surprised I only received 2 replies to this so far and they didn't know the reason for this phenomenon either. I'm really puzzled myself. One guy mentioned that he had the problem with his AM receiver. For those not following me here's the background again.

I noticed that when I was mobile with my NorCal 40, that the pitch of received CW would decrease in pitch when going **over** a bridge. When I would go **under** a bridge, the signal would increase in signal strength. I concluded that the increase in signal strength was due to reflections from the metal imbedded into the concrete. The puzzle is why the pitch would change when going over a bridge.

72 from a puzzled QRP'er,
Cameron, KT3A@aol.com

Forwarded message:

From: bruce.florip@amail.amdahl.com
To: kt3a@aol.com
Date: 95-06-17 18:59:35 EDT

Hi Cameron,

I had the same problem with my Sierra on the seat of an 88 Grand Am (Pont.)

I reported the problem to Wayne (N6KR) and got a puzzled look... Since I was the only one to report the problem he hasn't taken any action. I even tried holding the rig 90 degrees to the road and got the same result on overpasses...

Still fun to mobile with them! Next time I'll try the NC40 and see if mine does it as well. Inquiring minds need to know :)

Bruce aa7ar/6 bruce.florip@amail.amdahl.com 73!

From qrp-1@lehigh.edu Mon Jun 19 06:00:20 1995
Message-Id: <Pine.SUN.3.90.950618225844.20961A-100000@nimbus>
From: Monte Stark <ku7y@sage.dri.edu>
Subject: Re: Fwd: Bridge Controlled VF0?
Date: Mon, 19 Jun 1995 02:00:20 EDT

Hi Cameron,

Hmmmmmm, never noticed it with either the ts 130 or the 9040.

But will be watching in the future. cul,

73, Ron, dah, dah (I'm three times slower than Chuck)

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Sun Valley, Nevada....
.....ARRL.....NorCal #330.....NRA LIFE.....

From qrp-1@lehigh.edu Mon Jun 19 01:40:36 1995
Message-Id: <Pine.SUN.3.90.950618212255.18003B-100000@merlin.nando.net>
From: Aa4xx <aa4xx@nando.net>
Subject: Lightning
Date: Sun, 18 Jun 1995 21:40:36 EDT

Hi gang,

I had an experience recently with a near lightning hit that sent my FT-757GX's (built-in) keyer to never-never land. The interesting thing is that the rig was disconnected from both the antenna and the power supply--well, kinda.....You see, I disconnected the PL-259 from the rig, but that connector was laying within six inches of the rig when the storm came up. The lightning strike made short work of the lightning protector and continued on INTO my house--luckily knocking out only the keyer.

From now on, all my antennas are staying disconnected and grounded OUTSIDE my house unless I'm operating!

The happy ending is that the 757 is now percolating happily along with a Super CMOS II keyer which is built into my OHR QRP Classic. Now if I could just get up the nerve to drill four memory pushbutton holes in the top panel. Yep, it's going to happen... 72 es see y'all FD de Paul

From qrp-1@lehigh.edu Sun Jun 18 14:19:43 1995
Message-Id: <199506181415.AA20419@yfn.ysu.edu>
From: ak238@yfn.ysu.edu (Keith M. Hamilton)
Subject: MFJ-9040 Drift fix??????
Date: Sun, 18 Jun 1995 10:19:43 EDT

I hope I am not taking up too much bandwidth with a problem that has already been thoroughly discussed, but I am stuck.

MFJ sent me two replacement capacitors for my 9040 to fix the VFO drift problem. My rev. 5A board originally had the polystyrene caps and they sent me two replacements for C32 and C33 that are the multilayer type. This seemed to reduce the amount

of drift at turn on but it is still unacceptably high for the first hour.

Should I try NPO caps or give up altogether, sell it and buy something else???

Thanks for helping me with this, I really like the radio but it is driving me crazy with this drif.

72. Keith

--

Keith M. Hamilton
ak238@YFN.YSU.EDU
Youngstown, Ohio

Amateur Radio Callsign N08Z
Youngstown (OH) Chapter PTG

From qrp-1@lehigh.edu Mon Jun 19 02:11:46 1995
Message-Id: <Pine.SUN.3.90.950618213943.18003C-100000@merlin.nando.net>
From: Aa4xx <aa4xx@nando.net>
Subject: One Neat Antenna
Date: Sun, 18 Jun 1995 22:11:46 EDT

Hi Y'all,

Thought you might be interested in this. Several days ago, on 40M, K3BHJ answered my CQ. I asked him what kind of antenna he was running, because he was 15-20 over S9. Well, I was somewhat shocked when he told me his antenna was a seven foot piece of copper pipe laying on the ground in his back yard! K3BHJ designed this antenna after studying one of Moxon's books on HF antennas.

He's worked over 200 countries with 100 Watts on 40 meters with the pipe oriented vertically. For higher angle takeoff angles, he lays it directly on the grass. Ain't that a scream?

The 7 foot pipe works out to about 0.05 wavelength on 40M. It's the pipe which does the radiating. The feedline consists of two 64 foot pieces of

#12 Romex housewire which are connected to each end of the pipe. The tapered feedline is fed to the balanced input of his antenna tuner. The antenna (pipe) and the tapered feedline end up looking like an isosceles triangle, where the two equal sides are the feedline, and the short side is the radiator (pipe). The balanced, tapered feedline does not radiate--at least theoretically.

K3BHJ has observed that the antenna is essentially omnidirectional.

He has also scaled the same antenna for 80 and 160 meters, with

very good results! I wonder if anybody on the list--especially some of our G-Land subscribers-- have any experience with antennas like this?
72 es Good QRPing de Paul

From qrp-1@lehigh.edu Mon Jun 19 03:00:15 1995
Message-Id: <9506190258.AA22458@philadelphia.libertynet.org>
From: adam@philadelphia.libertynet.org (Adam O'Donnell)
Subject: QRP SSB?
Date: Sun, 18 Jun 1995 23:00:15 EDT

Has anyone tried QRP SSB?
What kind of results?
Is there a reconized QRP SSB calling frequency?
Do you think we should make one?

73

--
Adam O'Donnell, N3RCS
Internet: adam@libertynet.org

My parents tell me that I just take up time and space. It's true -
I'm into relativity theory.

----- PGP Public Key available upon Finger -----

From qrp-1@lehigh.edu Mon Jun 19 05:17:41 1995
Message-Id: <Pine.3.89.9506182234.C27152-0100000@dt1.datatamers.com>
From: "David D. Meacham" <ddm@datatamers.com>
Subject: Re: QRP SSB?
Date: Mon, 19 Jun 1995 01:17:41 EDT

Adam,

A few weeks ago K7RO and I made the first Cascade-to-Cascade SSB contact on 20 meters. That's from Portland, OR to Redwood City, CA (SF bay area). Each rig put out 7W PEP. I was using a tri-bander at 30 feet. I think we used 14155. These rigs are prototypes of NorCal's next kit.

There are lots of Epiphytes (75 meters) on the air in VE7-land and a few in CA! KI6DS and W6MMA work VE7's with Cascades or Epiphytes nearly every

night on 75.

QRP SSB is alive and well. Soon, 200+ Cascades will liven it up some more!

72, Dave, W6EMD

On Sun, 18 Jun 1995, Adam O'Donnell wrote:

> Has anyone tried QRP SSB?
> What kind of results?
> Is there a reconized QRP SSB calling frequency?
> Do you think we should make one?
>
> 73
>
> --
> Adam O'Donnell, N3RCS
> Internet: adam@libertynet.org
>
> My parents tell me that I just take up time and space. It's true -
> I'm into relativity theory.
>
> ----- PGP Public Key available upon Finger -----
>
>
>

From qrp-1@lehigh.edu Sun Jun 18 14:20:01 1995
Message-Id: <Pine.SUN.3.91.950618100713.27348A-100000@mango.epix.net>
From: rarland@epix.net
Subject: Re: RUMOR on US Pilot Rescue
Date: Sun, 18 Jun 1995 10:20:01 EDT

On Thu, 8 Jun 1995 N5EM@aol.com wrote:

> the actual rescue was being done with voice. I remember that the old WW2
> vintage 243 mhz. emergency rigs had a mic built-in. Maybe the new ones
> whoop, talk and chirp :-)
>
> Ed
>
It took a while to do the research, but during Viet Nam, the USAF pilots

used a RT-10 emergency radio that was part of their survival vest. this was a low power UHF radio that was capable of transmitting an ELT or voice. Since Charlie could use RDF gear well, most downed pilots did not use the radio until the Jolly Green was in the vicinity.

Capt. O'grady had an upgraded version of this RG-10 (since the technology is over 30 years old, i presume that the AF has upgraded the device) and could, in fact, key CW using the mic PTT switch. These are AM not FM radios (due to the capture effect, AM is used exclusively in the aeronautical bands), so it would have been a simple matter to have the responding rescue bird listen for CW using their UHF receiver.....not sure whether or not the receiver has a BFO ;but you can still discern CW using the "thump-de-thump-thump thump-thump-de-thump" method.

de-de-de-thump-thump
rich

From qrp-1@lehigh.edu Mon Jun 19 00:44:56 1995
Message-Id: <950618204333_97447586@aol.com>
From: Byron8LCZ@aol.com
Subject: Re: RUMOR on US Pilot Rescue
Date: Sun, 18 Jun 1995 20:44:56 EDT

Hey Rich,

You missed the most important part, He was running QRP !

We should make him an honorary member of the ARCI QRP club.

72, Byron WA8LCZ Detroit

From qrp-1@lehigh.edu Sun Jun 18 14:46:45 1995
Message-Id: <Pine.SUN.3.91.950618104431.3178A-100000@grape.epix.net>
From: rarland@epix.net
Subject: Re: The Bic-40 "Flamethrower Antenna"
Date: Sun, 18 Jun 1995 10:46:45 EDT

Yesterday, I tuned my Zuni-Loop Bic-40 Flame Thrower" dipole to resonance on 7030 KHz. I am now ready for FD, next weekend. The Autek RF-1 RF analyzer is an absolute god-send for this sort of work.

So, get ready out there in QRP-Land.....K7YHA will be on the air
everywhere next Saturday from near the top of Red Rock Mt. in NE PA.

Don't forget the contest....a complete set of all 3 volumes of the K7YHA
QRP Library goes to the 1st I-Net QRPer who can tell me my middle name
AFTER we exchange the FD info.

72 rich